

Table 9: **Protease-RT**

HXB2 Location	Author Location	Sequence	Immunogen	Species(HLA)	References
Protease-RT(95–5)	Gag(175–184)	CTLNFPISPI	HIV-1 infection	human(A2 supertype)	[Propato (2001)]
<ul style="list-style-type: none"> • The epitope starts in Protease and ends in RT • Long-term nonprogressors (LTNPs) had strong memory resting CD8+ T-cell responses against the majority of epitopes tested (18 for the A2 supertype, 16 for the A3 supertype) while the effector cells of long-term nonprogressors recognized far fewer epitopes • Progressors had memory resting CD8+ T-cells that recognized far fewer epitopes than LTNPs • A positive correlation between effector CD8+ T-cells and plasma viremia and a negative correlation between CD8+ effector T-cells and CD4+ T-cells was observed, which may contribute to the inability of LTNPs to clear virus • This epitope can bind five HLA-A2 supertypes alleles (A*0201, A*0202, A*0203, A*0206 and A*6802) 					

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